Approved for use through 7/31/2003. OMB 0651-0032 U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY			Attorn	Attorney Docket No.			13DV-13124 (07783-0149-2)						
PATENT APPLICATION				First I	First Inventor			BUCZEK et al.					
		TRANS	MITTAL	Titlo	700		OR AR	IENTED GEN	DING PARTICLES ERALLY ALONG A ACE AND METHO	AN			
(Only fo	or new non	provisional ap	oplications under 37 CFR 1.53(b))		ss Mail L	Label No.	EU	692447663 U	S				
	AP	PLICATIO	N ELEMENTS	400			il Stop	Patent Application	on	à,			
			ng utility patent application contents.	ADDI	RESS T	O. P.O	D. Box			(0			
1. 🔯	Fee Tran	ismittal Form <i>an original an</i>	(e.g., PTO/SB/17) and a duplicate for fee processing)	7.	CD	-ROM or CD-f	R in d	uplicate, large	table or	D,			
2. 🗌	Applican	t claims small entity status. CFR 1.27.			Nu	Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)							
3. 🛛		tion [Total Pa			a. [Computer	Read	lable Form (C	RF)	22			
	 Descripti 	ve title of the in			b. [Specificati	on Se	equence Listin	g on:				
	 Statemer 	Reference to Related Applications ent Regarding Fed sponsored R & D note to sequence listing, a table,					CD-ROM or CD-R (2 copies); or						
i.	or a comp	e to sequence uter program lis and of the Inver	sting appendix			ii. 🔲 F	Paper						
	 Brief Sun 	nmary of the In-	vention		c. [Statement	s veri	fying identity o	of above copies				
	- Detailed - Claim(s)	Brief Description of the Drawings (if filed) Detailed Description Claim(s)			ACCOMPANYING APPLICATION PARTS								
	` '	of the Disclosu	re	9.	Ass	signment Pape	rs (co	over sheet & d	ocument(s))				
4. 🛛	Drawing(s) (35 U.S.C.	113) [Total Sheets <u>4</u>]	10.	_	CFR 3.73(b) S en there is an		1/ \ 1	Power of Attorney				
5 .	Oath or D	eclaration [7	otal Sheets <u>3</u>]	11.		lish Translatio			licable)				
	_		(original or copy)	12.	_	rmation Disclo tement (IDS)/F		449	Copies of IDS Cita	tions			
			or application (37 CFR 1.63(d)) visional with Box 18 completed)	13.	_	liminary Amen							
	. \square			14. 🗵		urn Receipt Po ould be specifi)				
	i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)			15.	15. Certified Copy of Priority Document(s)								
name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			16.	(if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.									
6. 🛛		<u> </u>	t. See 37 CFR 1.76	17. 🛚	-	er: <u>Certificate (</u>							
18. If a C	ncation folio	owing the title	ION, check appropriate box, and , or in an Application Data Sheet	supply the under 37	requisi CFR 1.7	te information 6:	belov	v and in the fir	st sentence of the				
Prior applic	Continuati cation inform		∑ Divisional ∠aminor] Continu	ation-in	-part (CIP)	of p	orior applicatio	n No.: <u>09/489,717</u>				
or CONTI	NUATION O	F DIVISIONA Idered a part	Examiner L. Kiliman L. APPS only; The entire disclosure of the accompaned upon when a portion has been	いけん こうかだか	HATION OF A	divisional annlica	tian an	d le bembu lace-		illed :e.			
			19. CORRESPO					a applicati	varia.				
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Country				Tele	phone			Fax					

This collection of information is required by 37 CFR 1.53(b) The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Registration No. (Attorney Agent)

Date

46,401

September 16, 2003

Name (Print/Type)

Signature

Brian T. Sattizahn



Complete if Known

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL					Complete if Known		
FEE IKANSWIIIIAL	Application Number						
for FY 2003	Filing	Filing Date		September 16, 2003			
	First N	Named In	ventor	BUC	ZEK et al.		
Effective 01/01/2003. Patent fees are subject to annual revision.	Exam	iner Nam	ne	Lesz	ek B. Kiliman (Parent)		
☐ Applicant claims small entity status. See 37 CFR 1.27	Group	/ Art Un	it	1773	(Parent)		
TOTAL AMOUNT OF PAYMENT (\$) 834	Attorn	ey Dock	et No.	13DV	/-13124 (07783-0149-2)		
METHOD OF PAYMENT (check all that apply)				FEE C	ALCULATION (continued)		
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None		DITIONAL	Small E	intitu			
Order Deposit Account:							
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Account 50-1059	1051	130	2051	65	Surcharge - late filing fee or oath		
Number	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit	1053	130	1053	130	Non-English specification		
Account McNees Wallace & Nurick LLC	1812	2,520	1812	2,520	For filing a request for reexamination		
The Commissioner is authorized to: (check all that apply)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
 ☑ Charge fee(s) indicated below ☑ Charge any additional fee(s) during the pendency of this application 	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month		
FEE CALCULATION	1252	410	2252	205	Extension for reply within second month		
1. BASIC FILING FEE	1253	930	2253	465	Extension for reply within third month		
Large Entity Small Entity	1254	1,450	2254	725	Extension for reply within fourth month		
Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$) Fee Paid	1255	1,970	2255	985	Extension for reply within fifth month		
1001 750 2001 375 Utility filing fee 750	1401	320	2401	160	Notice of Appeal		
1002 330 2002 165 Design filing fee	1402	320	2402	160	Filing a brief in support of an appeal		
1003 520 2003 260 Plant filing fee	1403	280	2403	140	Request for oral hearing	-	
1004 750 2004 375 Reissue filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
1005 160 2005 80 Provisional filling fee	1452	110	2452	55	Petition to revive – unavoidable		
SUBTOTAL (1) (\$) 750	1453	1,300	2453	650	Petition to revive – unintentional		
	1501	1,300	2501	650	Utility issue fee (or reissue)		
2. EXTRA CLAIM FEES Extra Fee from Fee	1502	470	2502	235	Design issue fee		
Claims below Paid	1503	630	2503	315	Plant issue fee		
Total Claims 10 -20 ** = 0 X 18 = 0	1460	130	1460	130	Petitions to the Commissioner		
Independent Claims 4 -3 ** = 1 X 84 = 84	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	<u> </u>	
Claims 4 -3 ** = 1	1806	180	1806	180	Submission of Information Disclosure Stmt		
Multiple Dependent X = 0	8021	40	8021	40	Recording each patent assignment per property (times number of		
Large Entity Small Entity	4000	750	2000	275	properties)	 	
Fee Fee Fee Fee Description Code (\$) Code (\$)	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))		
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))		
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1004	750	0004	275			
1204 84 2204 42 ** Reissue independent claims over	1801 1802	750 900	2801 1802	375 900	Request for Continued Examination (RCE) Request for expedited examination		
original patent ** Reissue claims in excess of 20 and	1.002	300 1	1002		of a design application		
1205 18 2205 9 Neissue claims in excess of 20 and over original patent							
CUDTOTAL (B) (C) C4	Other fe	ee (specif	у)			<u> </u>	
SUBTOTAL (2) (\$) 84	*Rodu	ed by Ba	isic Filipo	Foe Dr	aid SUBTOTAL (3)		
**or number previously paid, if greater; For Reissues, see above	1,000	Jou by ba	.s.o , intro	, , , , , , , ,	(\$) 0		

SUBMITTED BY Complete (if applicable)								
Name (Print/Type)	Brian T. Sattizahn	Registration No. Attorney/Agent)	46,401	Telephone	717-237-5258			
Signature	Bari	7 Satter		Date	September 16, 2003			

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CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. 1.10

I hereby certify that the following documents are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. 1.10 on the date indicated below, Express Mail Label Number EU 692447663 US, dated September 16, 2003 and addressed to:

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

- 1. Return Acknowledgment Postcard
- 2. Utility Patent Application Cover Sheet
- 3. Fee Transmittal Form
- 4. Preliminary Amendment
- 5. Patent Application (20 Pages)
- 6. Drawings (4 sheets)
- 7. Declaration & Power of Attorney (1 copy of executed original, 3 pages)
- 8. Application Data Sheet

By: (Type signature) Lindsay Vican

Written Signature: Date: September 16, 2003